

Table 9.3
TCEQ Water Facilities Requirements
(Existing)

Description		Supply Capacity (gpm)	Total Storage (gal's)	Service Pumps (gpm)	Elevated Storage (gal's)
<u>CRITERIA</u>	Secondary	1.5 gpm		0.60 gpm	
Primary		0.60 gpm	200 gals	2 gpm	100 gals
Secondary		50 conn's		2 pk dy	200 gals
Service area limit		250 conn's		500 conn's	2,500 conn's
<u>High Zone</u>	<u>4,572</u>	<u>connections</u>			
Required	2	2,743 gpm	914,400 gals	5,486 gpm	457,200 gals
Provided	2	2,165 gpm	3,170,000 gals	3,814 gpm	750,000 gals
Difference (capacity)	ok	-578 gpm	2,255,600 gals	-1,672 gpm	292,800 gals
Difference (conn's)		(963)	11,278	(836)	2,928
<u>Low Zone</u>	<u>3,190</u>	<u>connections</u>			
Required	2	1,914 gpm	638,000 gals	3,828 gpm	319,000 gals
Provided	2	2,635 gpm	2,580,000 gals	6,604 gpm	500,000 gals
Difference (capacity)	ok	721 gpm	1,942,000 gals	2,776 gpm	181,000 gals
Difference (conn's)		1,202	9,710	1,388	1,810
<u>GROUP SUBTOTAL</u>	<u>7,762</u>	<u>connections</u>			
Required	2	4,657 gpm	1,552,400 gals	9,314 gpm	776,200 gals
Provided	4	4,800 gpm	5,750,000 gals	10,418 gpm	1,250,000 gals
*Difference (capacity)	ok	143 gpm	4,197,600 gals	1,104 gpm	473,800 gals
Difference (conn's)		238	20,988	552	4,738
*Shows a supply deficit for High Zone, but adequate supply for entire system. The High Zone deficit can be met by upgrading the Airport booster pump station, as it has the capability of feeding the High Zone. The mock "deficit" stems from supply allocation to each zone based on the distribution ability to each pressure plane.					